

Please add the following new claims:

--1. A DNA having the nucleotide sequence shown in SEQ ID NO: 2 which corresponds to the amino acid sequence of a membrane-type matrix-metalloproteinase characterized by a continuous sequence of hydrophobic amino acids peculiar to membrane-binding proteins from amino acid number 533 to 562 in the C terminus domain shown in SEQ ID NO: 1, having the amino acid sequence from amino acid number 160 to 173, 320 to 333 and from 498 to 512 shown in SEQ ID NO: 1 or having the amino acid sequence from amino acid number 1 to 173, 320 to 333, 498 to 512 and 563 to 582 shown in SEQ ID NO: 1.

2. A plasmid containing a DNA according to claim 1 having the nucleotide sequence shown SEQ ID NO: 2.

3. A host cell harboring a plasmid according to claim 2 containing a DNA having the nucleotide sequence shown in SEQ ID NO: 2.

4. Antibodies which specifically recognize a membrane-type matrix-metalloproteinase characterized by a continuous sequence of hydrophobic amino acids peculiar to membrane-binding proteins from amino acid number 533 to 562 in the C terminus domain shown in SEQ ID NO: 1, having the amino acid sequence from amino acid number 160

to 173, 320 to 333 and from 498 to 512 shown in SEQ ID NO: 1 or having the amino acid sequence from amino acid number 1 to 173, 320 to 333, 498 to 512 and 563 to 582 shown in SEQ ID NO: 1.

5. Antibodies according to claim 4, wherein said antibodies are monoclonal antibodies.

6. A DNA having the nucleotide sequence shown in SEQ ID NO: 2 which encodes a protein having the amino acid sequence shown in SEQ ID NO: 1.

7. A plasmid containing a DNA having the nucleotide sequence shown in SEQ ID NO: 2, expressing the protein shown in SEQ ID NO: 1.

8. A host cell harboring a plasmid containing a DNA having the nucleotide sequence shown in SEQ ID NO: 2, and expressing the protein shown in SEQ ID NO: 1.

9. Antibodies which specifically recognize a protein having the amino acid sequence shown in SEQ ID NO: 1.